

K R ANDERSON CO INC
2665 S ORANGE AVE
SANTA ANA, CA 92707

DOW CORNING CORPORATION
MATERIAL SAFETY DATA SHEET

MATL NAME: DOW CORNING(R) 738 ELECTRICAL SEALANT, WHITE
EMERGENCY TELEPHONE NO. (517) 496-5900

SECTION I - GENERAL INFORMATION

MANUFACTURERS NAME: DOW CORNING CORPORATION
ADDRESS: SOUTH SAGINAW ROAD, MIDLAND MI 48686

PROPER SHIPPING NAME(49CFR 172.101): NONE
D.O.T. HAZARD NAME(49CFR 172.101): NONE
D.O.T. ID NO(49CFR 172.101): NONE
D.O.T. HAZARD CLASS(49CFR 172.101): NONE
RCRA HAZARD CLASS(40CFR 261)(IF DISCARDED): NONE
E.P.A. PRIORITY POLLUTANTS(40CFR 122.53): NONE
NFPA = NATIONAL FIRE PROTECTION ASSOCIATION - 704
HEALTH (NFPA): 1 FLAMMABILITY (NFPA): 1 REACTIVITY (NFPA): 0
CAS NO: MIXTURE DOW CORNING WARNING CODE: 62
GENERIC DESCRIPTION: SILICONE

SECTION II - HAZARDOUS INGREDIENT

METHOXYSILANE % 5 TLV (UNITS): 200 PPM; PEL SAME

ONLY THOSE INGREDIENTS LISTED IN THIS SECTION HAVE BEEN DETERMINED TO BE HAZARDOUS AS DEFINED IN 29 CFR 1910.1200. AN INGREDIENT MARKED WITH AN ASTERISK(*) IS ALSO LISTED IN 29 CFR 1910.1200(D) #4 AS KNOWN OR SUSPECTED CARCINOGEN.

COMMENT: TLV BASED ON METHYL ALCOHOL (METHANOL) FORMED ON EXPOSURE TO WATER, MOISTURE, OR HUMID AIR.

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SECTION III - EFFECTS OF OVEREXPOSURE

EYES: MAY IRRITATE WITH SLIGHT PAIN REDNESS, AND POSSIBLE MINOR CORNEAL INJURY.

SKIN: SINGLE, PROLONGED EXPOSURE (HOURS) CAUSES NO KNOWN EFFECT. SEVERAL REPEATED, PROLONGED EXPOSURES MAY CAUSE SLIGHT IRRITATION.

INHALATION: NO EFFECTS EXCEPT VERY SLIGHT IRRITATION OR PAIN TO THE EYES OR RESPIRATORY PASSAGES.

ORAL: AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS, ETC., DURING NORMAL OPERATIONS SHOULD NOT CAUSE INJURY. SWALLOWING SUBSTANTIAL AMOUNTS MAY CAUSE SOME INJURY.

COMMENT: NO KNOWN ADVERSE CHRONIC HEALTH EFFECTS, BUT UNNECESSARY EXPOSURE TO ANY CHEMICAL SHOULD BE AVOIDED. THIS PRODUCT, AS WITH ANY CHEMICAL, MAY ENHANCE ALLERGIC CONDITIONS ON CERTAIN PEOPLE. WE DO NOT KNOW OF ANY MEDICAL CONDITIONS THAT MIGHT BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES.

SKIN: WIPE OFF AND FLUSH WITH WATER.

INHALATION: REMOVE TO FRESH AIR IF DISCOMFORT DEVELOPS.

ORAL: GET MEDICAL ATTENTION IF LARGE AMOUNTS SWALLOWED.

COMMENT: NONE

SECTION V - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED): OPEN CUP ABOVE 250F/121C

AUTOIGNITION: NOT DETERMINED

FLAMMABILITY LIMITS IN AIR : LOWER:N.D. UPPER: N.D.

EXTINGUISHING MEDIA: WATER WATER FOG X CO2 X DRY CHEMICAL X FOAM X OTHER

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN TO DOW CORNING

COMMENTS: N.D. - NOT DETERMINED

SECTION VI - PHYSICAL DATA

BOILING POINT(@ 760 MM HG): NOT APPLICABLE

SPECIFIC GRAVITY (AT 77 DEG F/25 DEG C): 1.05

MELTING POINT: NOT APPLICABLE

VAPOR PRESSURE (AT 77 DEG F/25 DEG C): NOT APPLICABLE

VAPOR DENSITY (AIR = 1 AT 77 DEG F/25 DEG C): NOT APPLICABLE

PERCENT VOLATILE BY VOLUME (%): NOT APPLICABLE

EVAPORATION RATE (ETHER = 1): NOT APPLICABLE

SOLUBILITY IN WATER(%): LESS THAN 0.1%

ODOR, APPEARANCE, COLOR: SWEET ODOR, PASTE-LIKE, WHITE

NOTE: THE ABOVE INFORMATION IS NOT INTENDED FOR USE IN PREPARING PRODUCT SPECIFICATIONS. CONTACT DOW CORNING BEFORE WRITING SPECIFICATIONS

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SECTION VII - REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY(MATERIAL TO AVOID): OXIDIZING MATERIAL CAN CAUSE A REACTION.
REACTS WITH WATER, ACIDS, ETC., LIBERATING METHANOL.

CONDITIONS TO AVOID: NOT APPLICABLE

HAZARDOUS DECOMPOSITION PRODUCTS: SILICON DIOXIDE, CARBON DIOXIDE, AND TRACES
OF INCOMPLETELY BURNED CARBON PRODUCTS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NOT APPLICABLE

COMMENTS: NONE

SECTION VIII - SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE PRODUCT
AND USE ABSORBENT MATERIAL TO TAKE CARE OF ANY OIL-LIKE RESIDUES.

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS
ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

WASTE DISPOSAL METHOD: DOW CORNING SUGGESTS THAT ALL LOCAL, STATE AND FEDERAL
REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROVED
DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.

D.O.T. (49CFR 171.8)/E.P.A. (40CFR 117) SPILL REPORTING INFORMATION
HAZARDOUS SUBSTANCE: NONE REPORTABLE QUANTITY: NOT APPLICABLE
CONCENTRATION OF HAZARDOUS SUBSTANCE: NOT APPLICABLE
REPORTABLE QUANTITY OF PRODUCT: NOT APPLICABLE

COMMENTS: NONE

SECTION IX - ROUTINE HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT:

EYES: USE PROPER PROTECTION -- SAFETY GLASSES, AS A MINIMUM.

SKIN *: WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE.

INHALATION: USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS
ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHIN TLV AND PEL GUIDELINES.

VENTILATION:

LOCAL EXHAUST: RECOMMENDED
MECHANICAL (GENERAL): RECOMMENDED

SUITABLE RESPIRATOR: AIR-SUPPLIED OR SELF-CONTAINED.

THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING, USE AT ELEVATED TEMPERATURE
MAY REQUIRE ADDED PRECAUTIONS.

* GOOD PRACTICE REQUIRES THAT GROSS AMOUNT OF ANY CHEMICAL BE REMOVED
FROM THE SKIN AS SOON AS PRACTICAL, ESPECIALLY BEFORE EATING OR SMOKING.

COMMENTS: AVOID EYE CONTACT. USE ONLY WITH ADEQUATE VENTILATION.

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SECTION X - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE BELOW 90F/32C. USE
REASONABLE CARE AND CAUTION.

OTHER PRECAUTIONS: NONE KNOWN TO DOW CORNING.

COMMENTS: SMALL AMOUNTS OF METHANOL MAY BE LIBERATED DURING CURE. IT IS NOT
LIKELY A HAZARDOUS CONCENTRATION WILL OCCUR. PROVIDE VENTILATION TO KEEP
AMBIENT METHANOL CONCENTRATION BELOW 200 PPM.

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT
SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS HEREBY MADE. THE
RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE
GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS
IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE
APPROPRIATE.

PREPARED BY: JACK L. SHENEBERGER

LAST REVISION DATE: OCTOBER 13, 1986

PREVIOUS REVISION DATE: JUNE 03, 1986

DATE: JANUARY 16, 1987

(R) INDICATES REGISTERED OR TRADEMARK OF THE DOW CORNING CORPORATION.

DOW CORNING AUTHORIZED RTD DISTRIBUTION PRODUCTS
CONTAINING TITLE III, SECTION 313, LISTED CHEMICALS
(1/17/89)

<u>PRODUCT</u>	<u>WT%</u>	<u>TITLE III, SECTION 313 LISTED INGREDIENT</u>	<u>CARN</u>
4X Spray (MOLYKOTE®)	81	1,1,1-Trichloroethane	71-55-6
4X Spray (MOLYKOTE®)	2	1,4-Dioxane	123-91-1
4X Spray (MOLYKOTE®)	.3	1,2-Butylene Oxide	106-88-7
20 Release Coating	12	Xylene (All)	1330-20-7
41 Ext H/T Brng. Grease	2	Zinc Naphthenate	12001-85-3
321 Dry Film Lubricant	45	1,1,1-Trichloroethane	71-55-6
321 Dry Film Lub-Aerosol	16	1,1,1-Trichloroethane	71-55-6
321 Dry Film Lub-Aerosol	.4	1,4-Dioxane	123-91-1
321R Bonded Lube (MOLYKOTE®)	13	Methylene Chloride (Dichloromethane)	75-09-2
321R Bonded Lube (MOLYKOTE®)	46	1,1,1-Trichloroethane	71-55-6
321R Bonded Lube (MOLYKOTE®)	1	1,4-Dioxane	123-91-6
321R Bonded Lube (MOLYKOTE®)	.2	1,2-Butylene Oxide	106-88-7
321R Bond/Lube Spray	44	Methylene Chloride (Dichloromethane)	75-09-2
321R Bond/Lube Spray	11	1,1,1-Trichloroethane	71-55-6
321R Bond/Lube Spray	.3	1,4-Dioxane	123-91-1
340 Heat Sink Comp	74	Zinc Oxide	1314-13-2
557 Alum. Lubricant-Aerosol	8	Acetone	67-64-1
557 Alum. Lubricant-Aerosol	48	1,1,1-Trichloroethane	71-55-6
557 Alum. Lubricant-Aerosol	3	Isopropyl Alcohol	67-63-0
557 Alum. Lubricant-Aerosol	1	1,4-Dioxane	123-91-1
557 Alum. Lubricant-Aerosol	.3	1,2-Butylene Oxide	106-88-7
557 Spray (MOLYKOTE®)	8	Acetone	67-64-1
557 Spray (MOLYKOTE®)	54	1,1,1-Trichloroethane	71-55-6
557 Spray (MOLYKOTE®)	3	Isopropyl Alcohol	67-63-0
557 Spray (MOLYKOTE®)	1	1,4-Dioxane	123-91-1
557 Spray (MOLYKOTE®)	.3	1,2-Butylene Oxide	106-88-7
557 Aluminum Lubricant	95	1,1,1-Trichloroethane	71-55-6
557 Aluminum Lubricant	2	1,4-Dioxane	123-91-1
557 Aluminum Lubricant	.5	1,2-Butylene Oxide	106-88-7
557 (MOLYKOTE®)	95	1,1,1-Trichloroethane	71-55-6
557 (MOLYKOTE®)	2	1,4-Dioxane	123-91-1
557 (MOLYKOTE®)	.5	1,2-Butylene Oxide	106-88-7
994 Varnish	.2	Benzene	71-43-2
557 Aluminum Lubricant	95	1,1,1-Trichloroethane	71-55-6
994 Varnish	.2	Benzene	71-43-2
994 Varnish	49	Xylene (All)	1330-20-7
996 Varnish	49	Xylene (All)	1330-20-7
997 Varnish	44	Xylene (All)	1330-20-7
1201 RTV Prime Coat	64	Acetone	67-64-1
1201 RTV Prime Coat	14	Toluene	108-88-3
1204 RTV Prime Coat	2	N-Butyl Alcohol	71-36-3
1204 RTV Prime Coat	19	Toluene	108-88-3
1205 Primer	40	Toluene	108-88-3
3099 S. Spray HVIC CM	30	Perchloroethylene	127-18-4
GN Metal Assembly Spray	58	1,1,1-Trichloroethane	71-55-6
GN Metal Assembly Spray	1	1,4-Dioxin	123-91-1
GN Metal Assembly Spray	.3	1,2-Butylene Oxide	106-88-7
36060 Prime Coat	95	Methyl Isobutyl Ketone	108-10-1

JW:kf:LET13-2